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EXPERIENCE

Engineer in Residence — [Fractal Tech](#) | Sep 2025 – Present

- 500+ hours building full-stack AI-driven applications.
- Mentored by leading AI engineers while building a new project weekly for 12-weeks.
- Check out my most recent projects [here](#)

Founding Engineer — [Waive](#) | Sep 2023 – Present

- Second-hire Founding Engineer, and lead engineer for one year. I scaled Waive from near-zero to \$600K+ annual profit by architecting clinic automation systems (document triaging, task manager, and patient communication tools), now live in 40+ clinics across Canada.
- Currently onboarding a 73 location rollout with WELL Health Technologies Corp. Canada's largest outpatient medical-clinic owner-operator.
- Hired and managed two interns for four months, had three successful projects while managing.
- **Document Triaging:** Built an incoming document classification system. Supports features such as patient chart creation for incoming referrals, document splitting, and automatic mapping of document classifications to clinics personal categorical systems within their EMR.
- **Task Manager:** Took ownership after the first hire left, leading ongoing development and shipping key automation features, including Intelligent appointment booking, form filling, and referral follow up.

Data Engineer — [NonFungible](#) | Apr 2021 – Sep 2021

- Built NFT evaluator with MATLAB to evaluate NBA Top-Shot Cards & ENS Domains, assessed portfolios valued at \$10–30M. Valuations were held quarterly with ~1% profit margins per valuation.

PROJECTS

[Website Customization Extension](#) | FastAPI · TypeScript · Python · OpenAI · Claude

- Chrome extension that lets users permanently reshape how any webpage renders using plain English, powered by multi-modal LLMs translating intent into structured DOM operations.
- jQuery commands on client and FastAPI backend handling HTML sanitization, models, and validation.

[Rogue-like Uno](#) | React · TypeScript · Tailwind CSS

- An endurance-based UNO where each victory adds permanent modifiers, increasing difficulty over time.

[Therabot](#) | React Router · TypeScript · Drizzle ORM · PostgreSQL · OpenAI ·

- AI tool-calling logic for dynamic win/lose conditions.
- Persistent multi-chat with PostgreSQL + Drizzle ORM and user authentication with Better Auth.

[Sigma-Chi](#) | React · Flask · Python

- Performs Kernel Density Estimations and displays results for students on field studies.
- Estimated 100+ users per month.

EDUCATION

Fractal AI Accelerator

Brooklyn, New York, United States | September 2025 - Present

Bachelor of Computer Science, Specialization in Software Design

Queen's University, Ontario, Canada | August 2017 – May 2022

Stack: Python, TypeScript, JavaScript, Java, FastAPI, Flask, React, Next.js, Express, Vite, Drizzle ORM, PostgreSQL, Supabase, Firebase, TailwindCSS, Docker, GCP, Azure, Pytest, Integration Testing, Ruff, RAG, Tool-Calling, Structured Output